BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Singapura Garden Roads in Ward No. 11, Kuvempunagara.

			Est Cost Rs.					**3000000.00**	
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	Drain Desilting Singapura Garden Roads		2	120.00	0.45	0.40	43.20		
			2	110.00	0.45	0.40	39.60		
			2	48.00	0.45	0.35	15.12		
	Basic Rate	82.00					**97.92**	199.36	**19522.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @6%	11.28							
	Total	**199.36**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33 PWD SR 2016-17**	Sqm							
			2	120.00		1.35	324.00		
			2	110.00		1.35	297.00		
			2	48.00		1.35	129.60		
	Basic Rate	76.00					**750.60**	80.56	**60468.00**
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 25 / Item No. 5.31.1 PWD SR 2016-17**	Sqm							
	Damaged Slabs		Vide Item No. 2				525.42		
	Basic Rate	628.00					**525.42**	665.68	**349762.00**
	Area Weightage @ 6%	37.68							
	Total	**665.68**							
4	KSRB 2.8 : Providing and **Filling in foundation with granite / trap broken metal** 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS **Page No. 5 / Item No. 2.15 of PWD SR 2016-17**	Cum							
			2	120.00	0.45	0.30	32.40		
			2	110.00	0.45	0.30	29.70		
			2	48.00	0.45	0.30	12.96		
	Basic Rate	2114.00					**75.06**	2240.84	**168197.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	126.84							
	Total	**2240.84**							
5	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
			4	120.00	0.30	0.15	21.60		
			4	110.00	0.30	0.15	19.80		
			4	48.00	0.30	0.15	8.64		
	Basic Rate	4867.00					**50.04**	5159.02	**258157.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
6	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.1, PWD SR 2016-17**	Sqm							
			4	120.00		0.60	288.00		
			4	110.00		0.60	264.00		
			4	48.00		0.60	115.20		
	Basic Rate	937.00					**667.20**	993.22	**662676.00**
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
7	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Bed Concrete		2	120.00	0.45	0.10	10.80		
			2	110.00	0.45	0.10	9.90		
			2	48.00	0.45	0.10	4.32		
	Coping Concrete		4	120.00	0.20	0.10	9.60		
			4	110.00	0.20	0.10	8.80		
			4	48.00	0.20	0.10	3.84		
	Basic Rate	5441.00					**47.26**	5767.46	**272570.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		400	0.90	0.60		216.00		
			367	0.90	0.60		198.00		
			160	0.90	0.60		86.40		
							500.40	1820.56	**911008.00**
	Sub Total								**2702360.00**
	KRIDL Charges @ 10%								**270236.00**
	Labour Cess @ 1%								**27024.00**
	Add for unforseen and rounding off	L/S							**380.00**
								Total	**3000000.00**
Rupees Thirty Lakh(s) Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 30.00 Lakhs.
Head of A/C P-1878
Div. Ref. No. 211/18-19 Date 13/03/18
AE
EE(BTP) 13/03

Technical Sanction
Accorded For 30.00 lakh Rs.
Head of A/C P1878
CER NO : ..... Dt: 13.3.18
TA CE (YNK)